CLAIMS

What is claimed is:

1. A method for detecting a defective disk for a hard disk drive, comprising:

loading a disk that has a first side and a second side into a tester that has a first head located adjacent to the first side and a second head located adjacent to the second side;

writing at least one test signal onto the first and second sides of the disk;

reading and storing first data from the first side;

reading and storing second data from the second side;

loading the disk into the tester so that the second side is adjacent to the first head and the first side is adjacent to the second head;

reading and storing third data from the first side;

reading and storing fourth data from the second side;

calculating a first area between a curve generated from the first data and a curve generated from the third data;

calculating a second area between a curve generated from the second data and a curve generated from the fourth data;

calculating the average of the first and second areas; and,

determining whether the disk is defective using the calculated average.

2. The method of claim 1, wherein the first, second, third and fourth data are derived from a track amplitude average of signals written onto the disk.

3. The method of claim 1, wherein the first, second, third and fourth data are derived from a bit error rate of signals written onto the disk.

4. The method of claim 1, wherein the average of the first and second areas is compared to a threshold value.

5. The method of claim 4, wherein the disk is discarded if the average is above the threshold value.

6. A tester for detecting a defective disk for a hard disk drive, the disk having a first side and a second side, comprising:

a spindle motor that rotates a disk;

a first head coupled to the disk;

a second head coupled to the disk;

a controller that operates a test procedure, the test procedure reads and stores first data from the first side of the disk through said first head, reads and stores second data from the second side of the disk through said second head, reads and stores third data from the first side of the disk through said second head, reads and stores fourth data from the second side of the disk through said first head, calculates a first area between a curve generated from the first data and a curve generated from the third data, calculates a second area between a curve generated from the second data and a curve generated from the fourth data, and calculates the average of the first and second areas.

7. The tester of claim 6, wherein the first, second, third and fourth data are derived from a track amplitude average of signals written onto the disk.

8. The tester of claim 6, wherein the first, second, third and fourth data are derived from a bit error rate of signals written onto the disk.

9. The tester of claim 6, wherein the average of the first and second areas is compared to a threshold value.

10. The tester of claim 6, wherein said controller initially writes test signals onto the first and second sides of the disk.

11. A program storage medium that contains a program which causes a tester to detect a defective disk for a hard disk drive, the disk having a first side and a second side, the tester having a first head and a second head, comprising:

a program that causes a tester to read and store first data from the first side of the disk through the first head of the tester, read and store second data from the second side of the disk through the second head of the tester, read and store third data from the first side of the disk through the second head of the tester, read and store fourth data from the second side of the disk through the first head of the tester, calculate a first area between a curve generated from the first data and a curve generated from the third data, calculate a second area between a

curve generated from the second data and a curve generated from the fourth data, and calculate the average of the first and second areas.

12. The medium of claim 11, wherein the first, second, third and fourth data are derived from a track amplitude average of signals written onto the disk.

13. The medium of claim 11, wherein the first, second, third and fourth data are derived from a bit error rate of signals written onto the disk.

14. The medium of claim 11, wherein the average of the first and second areas is compared to a threshold value.

15. The medium of claim 11, wherein said program causes said tester to initially write test signals onto the first and second sides of the disk.